11. EQUIPMENT WIRING REQUIREMENTS

Indicate if this is the initial virtual installation, an equipment addition to an existing virtual arrangement, or if this request is for wiring changes only.

Enter the number of DS0 2 wire, DS1, DS3, and/or fiber lowspeed equipment ports that will be wired to BellSouth's DS0, DS1, DS3, and fiber cross-connect devices for this order. (BST frame assignments will be provided.)

Quantity DS0 2 Wire	Quantity DS1 Connections	Quantity DS3 Connections	Quantity Fiber Connections *

Note 1: To aid BellSouth in determining the number of frame assignments required, provide wiring schematics which identify the cable size, quantity, and lead designations from each lowspeed equipment port.
Note 2: It is recommended that all lowspeed ports not used for connection to other equipment be wired to BellSouth's cross-connect devices.

* Assumes 2 (two) fibers per connection.

Indicate your plans to order local trunks and/or unbundled loops to interconnect to this virtual arrangement. An Unbundled Loop, is an active transmission facility which provides connectivity from other transport in a central office to the customer premise. The loop does not include the interoffice element, although it can be connected to an interoffice element. The loop can be connected into a collocator's space, either directly as voice grade (if the collocator's space is in the same serving central office), or multiplexed into a higher order transmission system. A signed agreement between BellSouth and your company is required for interconnection of unbundled loops into a collocation arrangement.

EQUIPMENT WIRING DISCONNECTS

All abandoned/unused cable connections must be removed by the collocator's certified vendor when the associated equipment is removed. Indicate the type and quantity of the circuits to be disconnected. For partial removals, attach a cable and pair and/or T1TIE/T3TIE inventory identifying specific connections to be disconnected.

Quantity DS0 2 Wire	Quantity DS1 Connections	Quantity DS3 Connections	Quantity Fiber Connections

Additional information: Enter comments regarding wiring requirements, if applicable.

12. **CONTACT INFORMATION**

EQUIPMENT WIRING: Enter the name, telephone number, facsimile number, pager number and e-mail/Internet address of the person BellSouth can contact regarding information entered in item 11.

TECHNICAL: Enter the name, telephone number, facsimile number, pager number and e-mail/Internet address of the person BellSouth can contact regarding information entered in items 4 through 10.

LOCAL COORDINATION: Enter the name, telephone number, facsimile number, pager number and e-mail/Internet address of your company's local coordinator at the selected location for the VEIS arrangement .

PROVISIONING AND MAINTENANCE: Enter the name, telephone number, facsimile number, pager number and e-mail/Internet address of your company's provisioning and/or maintenance contact at the selected location for the VEIS arrangement . [Identify the contact for the ACAC (Access Customer Advocacy Center) to contact for maintenance issues.]

ACCEPTANCE TESTING: Enter the name, telephone number, facsimile number, pager number and e-mail/Internet address of your company's contact for acceptance testing for the VEIS arrangement .

13. **DESIGN LAYOUT RECORD (DLR) CONTACT INFORMATION**

The design contact identifies the employee to be contacted on design/engineering matters and to whom the DLR will be sent. A DLR will be issued for 1) one "JAVL" equipment maintenance circuit per collocator relay rack, 2) the T1TIE and T3TIE carrier systems between the collocation equipment low speed ports and the BellSouth DSX panels. There will not be a DLR issued for the DS0 interface cable and pair facility, but BellSouth will issue a spreadsheet designating the cable and pair arrangement in relation to the collocator's equipment ports.

If the design contact for the equipment maintenance circuit(s) is different from the design contact for the cross-connect circuit(s), the DLR for each circuit type can be sent to separate locations designated by you. Use 13 A to provide design contact information for the equipment maintenance circuit(s). Use 13 B to provide design contact information for the cross-connect circuit(s). Use 13 C to provide design contact information for the DS0 interface cable and pair facility.

A: EQUIPMENT MAINTENANCE CIRCUIT(S)

Enter the name, telephone number, paper mailing address (include room number, floor) and the e-mail/Internet address for your design contact for the equipment maintenance circuit(s). Indicate your preference for DLR delivery. If you have mechanized DLR capability, enter the Design Routing Code (DRC). The DRC is a three digit alpha/numeric code that identifies the routing for mechanized DLRs. If you do not have mechanized DLR capability, a paper copy will be mailed to the address provided. If you do not have mechanized DLR capability, and would like information on how to obtain mechanized DLR capability, contact your Account Executive.

13. **DESIGN CONTACT INFORMATION** Continued from page 10.

B: TIE (T1 & T3) CARRIER(S)

Enter the name, telephone number, paper mailing address (include room number, floor) and e-mail/Internet address for your design contact for TIE carrier(s). Indicate your preference for DLR delivery. If you have mechanized DLR capability, enter the Design Routing Code (DRC). The DRC is a three digit alpha/numeric code that identifies the routing for mechanized DLRs. If you do not have mechanized DLR capability, a paper copy will be mailed to the address provided. copy will be mailed to the address you provide.

Note! Please be sure the DRC code provided is correct. An incorrect code will result in improper distribution of the DLR, possibly causing a delay in the initial ordering of service.

If you do not have mechanized DLR capability, and would like information on how to obtain mechanized DLR capability, contact your Account Executive.

C: CABLE & PAIR (DS0)

Enter the name, title, telephone number, the paper mailing address (include room number, floor) and the e-mail/Internet for the design contact for the cable and pair inventory. A paper copy will be mailed to the address provided. An e-mail/Internet address is required if you want to receive the cable and pair information electronically.

14. **BILLING INFORMATION**

Indicate the legal business company name and address as it should appear on the monthly billing statement to be submitted by BellSouth to your company for this VEIS arrangement. Provide a contact name, telephone number and facsimile number to be contacted regarding bill payment, discrepancies, etc. List billing account numbers established for other communication service(s) provided by BellSouth.

15. **TECHNICAL COMPLIANCE**

Signature, title and date are required at end of the document. Each subsequent issue of the BSTEI-1 must also be signed.

Applicant certifies that equipment is in compliance with the following industry standards:

- Criteria Level 1 requirements as outlined in the Bellcore Special Report SR-3580 Issue 1.
- Equipment design spatial requirements per GR-63-CORE, Section 2.
- Thermal heat dissipation per GR-63-CORE, Section 4, Criteria 77 - 79.
- Acoustic noise per GR-63-CORE, Section 4, Criterion 128.
- Applicable National Electric Code requirements.

16. **LEASE INFORMATION**

Enter your company's name as it should appear on the lease. Specify the nature of the business entity (e. g., corporation, limited partnership). Enter the state in which the company is incorporated, if applicable, and specify the company address to appear on lease.

Mailing Information: Provide the name, title, address, telephone number and facsimile number of the employee to receive the lease.

17. **ATTACHMENTS**

List all attachments and the number of pages of each attachment.

Attachments should provide **detailed** equipment layouts, engineering drawings and wiring schematics. Provide drawings of the equipment showing all **perspectives** - top, side, front, back. Drawings should include wiring schematics and all equipment shown in Item 5.

18. **BSTEI-1-V PREPARATION DATE**

Enter the date that your company prepared this BSTEI-1-V inquiry/application.
Enter the date that your company prepared this BSTEI-1-V firm order.

For BellSouth Use Only:	
BellSouth Reference Number:	
Inquiry Receipt Date:	Issue:
Firm Order Confirmation Date:	

BELLSOUTH

VIRTUAL EXPANDED INTERCONNECTION APPLICATION AND FIRM ORDER DOCUMENT

1. **CUSTOMER INFORMATION**

Company Name _____ ACNA _____

Company Address _____ City/State/Zip _____

Jurisdictions: IntraLata _____ Intrastate _____ Interstate _____

Signature date of local interconnection agreement with BellSouth: _____

COLLOCATION COORDINATOR

Name _____ E-mail/Internet Address _____

Mailing Address _____ City/State/Zip _____

Telephone # _____ Pager # _____ Facsimile # _____

2. **REQUESTED VEIS LOCATION**

Wire Center Name _____ CLLI Code _____

Street Address _____ City/State/Zip _____

3. **TYPE OF INTERCONNECTION ACTIVITY**

_____ Initial arrangement installation
_____ Augmentation to an existing arrangement
_____ Existing arrangement, equipment change and/or wiring changes
_____ Existing arrangement, software change/upgrade
_____ Existing arrangement, partial equipment disconnect and removal
_____ Existing arrangement, complete equipment disconnect and removal
_____ Interconnection of collocation arrangements within this location

4. A **SERVICE DATE** is negotiated among the collocator, BellSouth, and the collocator-selected BellSouth certified engineering and installation vendor(s) during the firm order process. For planning purposes, you may indicate your desired service date for this arrangement: _____

BellSouth Reference No. _____

BELLSOUTH

VIRTUAL EXPANDED INTERCONNECTION APPLICATION AND FIRM ORDER DOCUMENT

5. **EQUIPMENT TO BE INSTALLED OR REMOVED** $ _____ Declared Equipment Value

Complete columns 1 though 13 for all equipment to be installed or removed. Duplicate this table as required.

1	2	3	4	5	6	7	8	9	10	11	12	13
Rack No. (A)	Vendor/Manufacturer & Contact Number	Model No.	Description	Existing Quantity	Add	Remove	Total Quantity	Total Heat Dissipation (WATTS)	Total -48V DC Power Requirements (AMPS)	NEBS Yes/No (B)	OSMINE	HECIG

A: Show rack number (as indicated in item 6) on the attached floor plan layout.

B: Does this equipment meet the following Bell Communications Research Network Equipment-Building Systems (NEBS) requirements?

- Criteria Level 1 requirements as outlined in the Bellcore Special Report SR-3580, Issue 1.
- Equipment design spatial requirements per GR-63-CORE, Section 2.
- Thermal heat dissipation per GR-063-CORE, Section 4, Criteria 77-79.
- Acoustic noise per GR-063-CORE, Section 4, Criterion 128.
- Applicable National Electric Code requirements.

Enter a YES or NO. If NO, attach a separate document listing specific explanations for each equipment type and reasons for NEBS and/or National Electric Code noncompliance.

6. **EQUIPMENT RACK/BAY REQUIREMENTS**

_____ Rack(s) for initial equipment installation. Quantity of racks: _____
_____ Add rack(s) to existing arrangement. Quantity of racks: _____
Existing rack location: _____
_____ Remove rack(s) from an existing arrangement. Quantity of racks: _____
_____ Rack addition not required for this application.

	Rack 1	Rack 2	Rack 3	Rack 4	Rack 5	Rack 6	Rack 7	Rack 8
Rack Width								
Spacer Width*								
Rack Depth **								
Rack Height***								
Location								
Equipment Overhang	F R	F R	F R	F R	F R	F R	F R	F R

* If required.
** Standard rack depth in BellSouth locations is 12 inches. Depth of collocator provided racks must conform to the rack depth used by BellSouth in the requested location.
*** Collocator-provided rack(s) must conform to the rack height used by BellSouth in the requested location.
Required rack depth and height will be provided in response to an application.

Total footprint area (width x depth) of all racks (and spacers) to be installed for this application
_____ Square feet

7. **ENGINEERING AND INSTALLATION VENDOR(S)** Complete for Firm Order.

	BST Certified Vendor Name	BST Certified Vendor Address	BST Certified Vendor Phone Number
Engineering			
Installation			

8. OPTIONS FOR MANAGING SPARE PLUG-IN EQUIPMENT

Select one of the following options for managing spare plug-in equipment. **NOTE**: Option A is recommended to provide the optimum maintenance capability for collocation equipment. The effectiveness of provisioning alternatives to Option A cannot be guaranteed by BellSouth.

____ A. I will provide a rack mounted storage unit to house spare plug-ins, tools, and test equipment. I will provide a spare plug-in for each type of common plug-in, and two spare plug-ins for each type of DS1 and DS3 low speed interface plug-in. I will provide address labels and a pre-paid method for shipping defective plug-ins from the VEIS location. Replacement plug-in(s) shipped to the VEIS location will have the name of the plug-in and my company identification on the outside of the carton.

____ B. I will provide everything as indicated in option A, with the exception that I will provide fewer than the recommended spare plug-in equipment levels.

____ C. I will not provide on-site spare plug-ins. I will ship spare plug-in(s) to and from the VEIS location as required, using an outside package delivery company. I will provide address labels and a pre-paid method for shipping defective plug-ins from the VEIS location. Replacement plug-in(s) shipped to the VEIS location will have the name of the plug-in and my company identification on the outside of the carton.

____ D. I will not provide on-site spare plug-in(s). My company employees will deliver spare plug-in(s) to the VEIS location as required. BellSouth VEIS location personnel will give defective plug-in(s) to the employee making the spare equipment delivery.

____ E. I will provide a combination of option C and D using outside package delivery and my company employee.

____ F. I will not use the options listed above. I will make the following arrangements as described below:

_____

_____

_____

_____

_____

_____

_____

_____

9. COLLOCATION INTERCONNECTION REQUIREMENTS

Do you plan to directly interconnect collocation arrangement(s) in this location? Yes _____ No _____
Type of cable to be used to interconnect collocation arrangements: Copper _____ Fiber _____

The following table must be completed for each requested direct interconnection. BST will provide cable support structure, if feasible, for the interconnection of two collocation arrangements occupying non-contiguous space.

Collocation No.	Controlling Collocation		Interconnected Collocation			Type	Quantity of Circuits	Optical Interconnect
	New	Existing	Virtual	Physical	Owner			Preferred Conductor
	Rack Number	Rack Location	Rack Location	Rack Loc. or Enc. Loc.		DS0, DS1,DS3, Optical	Capacity of cable	Cable (C) or Patch Cord (P)

When separately owned collocation arrangements are to be interconnected, the collocation of the owner requesting the interconnection shall be the "Controlling Collocation".
When commonly owned collocation arrangements are to be interconnected, the owner should designate one as the "Controlling Collocation". **NOTE:** The "controlling" owner will serve as the BST contact on all issues related to the interconnection and will be billed by BST for any and all applicable charges.

All abandoned/disconnected interconnection facilities must be removed from BST cable support structure by the collocator's certified vendor when the interconnected equipment is disconnected or removed.
Identify the collocation number from the previous table to be removed per this application: _____

10. FIBER CABLE INFORMATION

A. Complete the table below for each fiber entrance cable to be installed.

_____ Fiber entrance cable(s) for initial installation.
_____ Add fiber entrance cable(s) to existing arrangement.
_____ Fiber entrance cable not required for this application.
_____ Fiber entrance cable to be removed.

Cable #	Outside diameter (in.)	Size of fiber cable	Weight (lb/kft)	Metallic/Dielectric	Cable Tensile Load (lb/f)

Note 1: Outside plant cable must meet the requirements in Bellcore GR-20-CORE or TR-NWT-000020.
Note 2: If multiple entry is requested, please show 2 cables on the fiber entrance cable table. Multiple entry availability will be provided in response to an application.

B. Complete the table below for each fiber riser cable to be installed.

_____ Fiber riser cable(s) for initial installation.
_____ Add fiber riser cable(s) to existing arrangement.
_____ Fiber riser cable not required for this application.
_____ Fiber riser cable to be removed.

Cable #	Outside diameter (in.)	Size of fiber cable	Weight (lb/kft)	Sheath Type	Cable Tensile Load (lb/f)
				Dielectric	
				Dielectric	

Note 1: Pre-terminated, dielectric, fire retardant riser cable should be provided. Riser cable must meet the requirements in Bellcore GR-409-CORE. Riser cable should be pre-terminated in a fiber optic splicing shelf utilizing SC connectors.
Note 2: If multiple entry is requested, please show 2 cables on the riser cable table. Multiple entry availability will be provided in response to an application.

C: Additional information: _____ Multiple entry points requested.
_____ Microwave entrance requested.

11. **EQUIPMENT WIRING REQUIREMENTS**

Initial Installation _____ Equipment Addition _____ Wiring Changes _____

Enter the number of DS0 2 wire, DS1, DS3, and/or fiber lowspeed equipment ports that will be wired to BellSouth's DS0, DS1, DS3, and fiber cross-connect devices for this order. (BST frame assignments will be provided.)

Quantity DS0 2 Wire	Quantity DS1 Connections	Quantity DS3 Connections	Quantity Fiber Connections *

Note 1: To aid BellSouth in determining the number of frame assignments required, provide wiring schematics which identify the cable size, quantity, and lead designations from each lowspeed equipment port.
Note 2: It is recommended that all lowspeed ports not used for connection to other equipment be wired to BellSouth's cross-connect devices.

* Assumes 2 (two) fibers per connection.

Do you plan to order local trunks and/or unbundled loops to interconnect to this virtual arrangement? _____ Yes _____ No (A signed agreement between BellSouth and your company is required for interconnection of unbundled loops into a collocation arrangement.)

EQUIPMENT WIRING DISCONNECTS

All abandoned/unused cable connections must be removed by the collocator's certified vendor when the associated equipment is removed. Indicate the type and quantity of the circuits to be disconnected. For partial removals, attach a cable and pair and/or T1TIE/T3TIE inventory identifying specific connections to be disconnected.

Quantity DS0 2 Wire	Quantity DS1 Connections	Quantity DS3 Connections	Quantity Fiber Connections

Additional information:

12. **CONTACT INFORMATION**

EQUIPMENT WIRING: Name _____ Telephone # _____

Facsimile # _____ Pager # _____ E-mail/Internet Address _____

TECHNICAL: Name _____ Telephone # _____

Facsimile # _____ Pager # _____ E-mail/Internet Address _____

LOCAL COORDINATION: Name _____ Telephone # _____

Facsimile # _____ Pager # _____ E-mail/Internet Address _____

PROVISIONING & MAINTENANCE: Name _____ Telephone # _____

Facsimile # _____ Pager # _____ E-mail/Internet Address _____

ACCEPTANCE TESTING: Name _____ Telephone # _____

Facsimile # _____ Pager # _____ E-mail/Internet Address _____

13. **DESIGN LAYOUT RECORD (DLR) CONTACT INFORMATION**

A: EQUIPMENT MAINTENANCE CIRCUIT(S)

DLR Contact Name/Title _____ Telephone # _____

Address _____ City/State/Zip _____

E-mail/Internet Address _____

_____ Use mechanized DLR capability via a DRC code. Enter 3 digit DRC code _____

_____ Use regular mail to provide DLR to the design contact shown above.

B: TIE (T1 & T3) CARRIER(S)

DLR Contact Name/Title _____ Telephone # _____

Address _____ City/State/Zip _____

E-mail/Internet Address _____

_____ Use mechanized DLR capability via a DRC code. Enter 3 digit DRC code _____

_____ Use regular mail to provide DLR to the design contact shown above.

13. **C: CABLE & PAIR (DS0)**

Contact Name/Title _____ Telephone # _____

Address _____ City/State/Zip _____

E-mail/Internet Address _____

14. **BILLING INFORMATION**

BAN (Billing Account Number - Provided by BellSouth) _____

Billing Name _____
(Indicate the legal business name as it should appear on the monthly billing statement.)

Bill Department/Title _____

Bill Address _____

City/State/Zip _____

Billing Contact Name _____

Address _____

Telephone Number _____ Facsimile Number _____

List Billing Account Number(s) for other BellSouth communication service(s) _____

15. **TECHNICAL COMPLIANCE**

Applicant certifies that equipment is in compliance with the following industry standards:

- Criteria Level 1 requirements as outlined in the Bellcore Special Report SR-3580 Issue 1.
- Equipment design spatial requirements per GR-63-CORE, Section 2.
- Thermal heat dissipation per GR-63-CORE, Section 4, Criteria 77 - 79.
- Acoustic noise per GR-63-CORE, Section 4, Criterion 128.
- Applicable National Electric Code requirements.

I hereby certify that the equipment listed on page 2 in this document meet the industry standards for safet and compatibility. For equipment which is noncompliant, attached is documentation describing the equipment, including exceptions or deviations from the above standards.

Signature _____ Date _____

Print Name _____ Title _____

Company _____

16. **LEASE INFORMATION**

Company name to appear on lease _____

Type of Company _____

State of incorporation _____

Company address to appear on lease _____

Mailing Information: Provide the name, title, address, telephone number and facsimile number of the employee to receive the lease.

Name and title: _____

Address _____ City/State/Zip _____

Telephone Number _____ Facsimile Number _____

17. **ATTACHMENTS**

List all attachments and the number of pages for each attachment. (Provide **detailed** equipment layout. Include engineering drawings and wiring schematics.)

Attachment 1: _____ Attachment 2: _____

Attachment 3: _____ Attachment 4: _____

Remarks: _____

18. **BSTEI-1-V PREPARATION DATE**

Inquiry/Application Preparation Date _____

Firm Order Preparation Date _____

INSTRUCTIONS FOR COMPLETION OF THE EXPANDED INTERCONNECTION APPLICATION AND FIRM ORDER DOCUMENT

The Application and Firm Order Document (BSTEI-1-P), appropriate fee(s), and required technical documentation should be mailed to:

BellSouth Telecommunications, Inc.
Collocation Coordinator

(Contact your BellSouth Account Executive for the name and address for your company's Collocation Coordinator.)

Make checks payable to: BellSouth

BellSouth Reference Number - Provided by BellSouth. This reference number will be provided to the collocator when the inquiry is responded to by BellSouth, and must be included in future references to this Expanded Interconnection arrangement project.

Inquiry Receipt Date - BellSouth enters the date when the application fee, and a bona fide BSTEI-1-P are received.

Issue Number - The initial inquiry will be numbered issue 1. The first revision will be numbered issue 2. Subsequent revisions will be sequentially numbered.

Firm Order Confirmation Date - BellSouth enters the date when the appropriate fee(s), a revised bona fide BSTEI-1-P and all supporting technical documentation are submitted to place a Firm Order for Expanded Interconnection. BellSouth will provide written notification of receipt of a complete and accurate firm order.

1. CUSTOMER INFORMATION

Enter the legal business name and address of your company. Enter the Bellcore-assigned Access Customer Name Abbreviation (ACNA). (Contact your BellSouth Account Team for assistance.) Indicate the jurisdictions in which your company is a Telecommunications Service Provider. Indicate by entering the date of signature if you have a signed local interconnection agreement with BellSouth. The local interconnection agreement must be on file with the state regulatory authority in the state in which you want physical collocation and/or unbundled loops interconnected into a collocation arrangement. If a local interconnection agreement has not been signed, enter the expected local interconnection agreement date. Enter NA (Not Applicable) if you will not be providing local service. Indicate by entering the date of signature if you have a signed physical collocation agreement with BellSouth. If a physical collocation agreement has not been signed, enter the expected physical collocation agreement date. COLLOCATION PROJECT COORDINATOR: Enter the name, e-mail/Internet address, mailing address, telephone number, pager number and facsimile number of the person who prepares the application, and who will be the primary coordinator for this collocation arrangement project.

2. REQUESTED EIS LOCATION

Enter the requested EIS location by wire center name, the first eight characters of the Common Language Location Identification Code (CLLI), street address, city, state, and zip code. (See Bellcore Practice BR 795-1XX-100 for central office CLLI information.)

3. TYPE OF INTERCONNECTION ACTIVITY

Indicate the type of interconnection activity being ordered on this application. Check all that apply.

Initial arrangement installation: This is the initial arrangement installation at this location.

Augmentation to an existing arrangement: Your company has an existing EIS arrangement in this location and desires to add floor space square footage to that arrangement.

Existing arrangement, equipment change and/or wiring changes: Your company has an existing EIS arrangement in this location and desires to add, replace or remove equipment, and/or modify wiring.

Existing arrangement, partial equipment disconnect and removal: Your company has an existing EIS arrangement in this location and desires to disconnect and remove some equipment and/or cable (owned by your company.)

Existing arrangement, complete equipment disconnect and removal: Your company has an existing EIS arrangement in this location and desires to disconnect and remove all equipment and cable (owned by your company.)

Conversion of existing virtual arrangement to a physical arrangement: Your company has an existing virtual collocation arrangement in this location that you want to convert to a physical collocation arrangement.

Interconnection of collocation arrangements within this location: This applies to the interconnection of two collocation arrangements occupying non-contiguous space. See item 9.

4. FLOOR SPACE REQUIREMENTS

Indicate if you require an enclosure to surround your collocation arrangement. If Yes, indicate if you will purchase the enclosure construction from BellSouth. If the enclosure option is selected, indicate the enclosure floor space requirements. For the enclosure option, the enclosure will be a minimum of 100 square feet, and is available in additional increments of 50 square feet. If an enclosure is not desired, indicate the non-enclosed space requirements of your rack mounted equipment. If this application is for an augmentation to an existing physical arrangement, indicate the enclosed or non-enclosed square feet floor space requirements. Provide via attachment a proposed equipment floor plan layout which will aid BellSouth's understanding of the space requirements for the equipment to be placed in the location.

Note: BellSouth will determine the actual floor and space configuration based on the collocator's equipment requirements and space availability in each central office.

5. EQUIPMENT TO BE INSTALLED OR REMOVED

Complete columns 1 though 11. Include all equipment to be installed or removed. Duplicate this table as required. Include all equipment that is required to support multiple fiber cable entrances, as applicable. The equipment listed must be shown on an attached rack layout.

1. **Rack No.** - Enter the rack number as shown on an attached proposed floor plan layout.
2. **Vendor/Manufacturer & Contact Number** - Enter the vendor's name and telephone number.
3. **Model Number** - Enter the model number of the equipment.
4. **Description** - Enter the functional description of the equipment.
5. **Existing Quantity** - Enter the quantity of the equipment currently installed.
6. **Add** - Enter the quantity to be installed.
7. **Remove** - Enter the quantity to be removed.
8. **Total Quantity** - Enter the total quantity remaining after the addition/removal.
9. **Total Heat Dissipation (Watts)** - Enter the total heat dissipation in watts for the total quantity of items. The sum of this column should reflect the total heat release for all collocated equipment.
10. **Total -48 V DC Power Requirements (AMPS)** - Enter in AMPs the total -48V power requirements for the total quantity of items. The sum of this column should reflect the total power requirements of all collocated equipment.
11. **NEBS Yes/No** - Does this equipment meet the following Bell Communications Research Network Equipment-Building Systems (NEBS) requirements?
    - Criteria Level 1 requirements as outlined in the Bellcore Special Report SR-3580, Issue 1.
    - Equipment design spatial requirements per GR-63-CORE, Section 2.
    - Thermal heat dissipation per GR-063-CORE, Section 4, Criteria 77-79.
    - Acoustic noise per GR-063-CORE, Section 4, Criterion 128.
    - Applicable National Electric Code requirements.

Enter a YES or NO. If NO, attach a separate document listing specific explanations for each equipment type and reasons for NEBS and/or National Electric Code noncompliance.

Additional information: Describe any unique characteristics of the equipment, such as unusual weight. Attach separate sheet(s) to provide this information.

6. EQUIPMENT RACK/BAY REQUIREMENTS FOR NON-ENCLOSED EQUIPMENT

Completion of this section is not required when the enclosure option is selected.

Check "Racks for initial equipment installation" if this is the initial application for this location. Indicate the quantity of racks to be installed. Check "Add rack(s) to existing arrangement" if you have an existing EIS arrangement in this location and you are adding additional racks on this application. Indicate the quantity of racks to be added. Provide rack location (frame identification codes(s) as assigned by the collocator's certified engineering vendor) for the existing arrangement. For "Add racks", show only the new racks to be added on the table. For "Remove Racks", show only racks to be removed on the table. Indicate the quantity of racks to be removed. Check "Rack addition not required for this application" if this is a subsequent application and additional racks are not required.

Complete the table, showing the dimensions of the racks/bays to be installed in the location. Please note: Standard rack dimensions in BellSouth locations are 12 inches deep by 7'0" high. It is strongly recommended that collocator provided racks conform to this standard.

Provide the front (F) and rear (R) equipment overhang in inches for the equipment to be installed in each rack, if the equipment will exceed the depth of the rack in which it is mounted.

Provide the total footprint area in square feet (width x depth) of all racks (and spacers) to be installed for this application. The entry should match the non-enclosed floor space requirements provided in item 4.

7. -48V POWER AND GROUNDING

Completion of this section is required if -48V telecommunications equipment power is to be provided by BST. Power plant construction requirements and costs will be based upon the information provided. BST can provide -48V DC feeders configured to power equipment installed as part an isolated single point ground or as part of the building integrated ground plane. Isolated ground power options are addressed in section 7B. Integrated ground power options are addressed in section 7C.

7A. Does any of this equipment require an isolated ground plane and associated power supply grounding as described in Bellcore Technical Reference TR-NWT-000295 and BellSouth Engineering and Installation Standards for Central Office Equipment TR-73503?

7A1. Yes _____ No_____ If yes, complete section 7B.

Will any of this equipment be installed (and grounded) as part of the building integrated ground plane (i.e. not part of an isolated ground plane)?

7A2. Yes _____ No_____ If yes, complete section 7C.

7. **-48V POWER AND GROUNDING** *(continued from page 4.)*

7B. **Power Feeders for Equipment Installed as Part of an Isolated Ground Plane**

If equipment requires a TR-00295 compliant isolated ground plane, the collocator **must** provide Battery Distribution Fuse Bay, Power Distribution Frame, or similar power distribution equipment for distributing power to the equipment to be installed on the isolated ground plane. This BDFB/PDF must be dedicated to the isolated ground equipment only. If integrated ground equipment is also installed it must utilize one of the power options described in section 7C.

Specify the quantity of the BST provided isolated ground power feeders to the collocator provided BDFB/PDF. State quantities in multiples of 2 for redundant "A" and "B" feeder pairs. (i.e., 2 feeders = 1 A feeder and 1 B feeder.) Note: All BST provided power feeders to BDFBs/PDFs will be rated at 180 Amps protected at the BST power board by 225 amp circuit breakers.

Existing	Additional	Total	Terminating BDFB/PDF Rack No. per collocator provided equipment layout

BST will provide power feeder cable support structure between the BST power board and the collocator equipment enclosure. BST will connect the feeder to the BST power board and run the feeder to the enclosure. The collocator's vendor will be responsible for constructing power cable support structure and completing the feeder installation within the enclosure and terminating the cable at the collocator provided BDFB/PDF.

7. **-48V POWER AND GROUNDING** (continued from page 5.)

7C. **Power Feeders for Equipment installed as Part of the Building Integrated Ground Plane**

Collocator may provide or request BST to provide Battery Distribution Fuse Bay, Power Distribution Frame, or similar power distribution equipment for distributing power to integrated ground equipment.

7C1. **Collocator Provided BDFB/PDF**

If collocator will provide BDFB/PDF, specify the quantity of the BST provided integrated ground power feeders to the collocator provided BDFB/PDF. State quantities in multiples of 2 for redundant "A" and "B" feeder pairs. (i.e., 2 feeders = 1 A feeder and 1 B feeder). Note: All BST provided power feeders to BDFBs/PDFs will be rated at 180 Amps protected at the BST power board by 225 amp circuit breakers.

Existing	Additional	Total	Terminating BDFB/PDF Rack No. per collocator provided equipment layout

BST will provide power feeder cable support structure between the BST power board and the collocator equipment enclosure. BST will connect the feeder to the BST power board and run the feeder to the enclosure. The collocator's vendor will be responsible for constructing power cable support structure and completing the feeder installation within the enclosure and terminating the cable at the collocator provided BDFB/PDF.

7. **-48V POWER AND GROUNDING** (continued from page 6.)

7C2. **BST Provided BDFB or Miscellaneous Power Board Fuse Positions** (See note.)

Complete the following table for all fuse positions to be provided by BST.

BST Provided BDFB Fuse Position Quantity	Protection Device Rating (amperes)
State quantity in multiples of 2, one "A" and one "B"	(Max 60 amps)

Note: Some BST -48V power boards are equipped with miscellaneous fuse positions. These fuse positions may be made available for use with collocated equipment in lieu of BDFB fuse positions. BST and collocator responsibilities as described in this section shall apply to the use of these fuse positions.

It is recommended that all collocated equipment arrangements be configured with a power disconnect capability, either internal to the equipment frame or via a collocator provided fuse panel. If no power disconnect is provided, a request will have to be submitted to BST to disconnect power at the BST provided fuse or breaker whenever power must be removed from the equipment.

BST will provide fuse positions as requested. **The collocator's certified vendor must provide the protection devices (fuses) and the appropriately sized power feeders between the BDFB/Power board and the collocator provided equipment.** BST will provide power cable support structure between the BST provided BDFB/power board and the collocator's enclosure (or equipment if no enclosure is requested). The collocator is responsible for the installation of all cable support structure within a collocation enclosure. The maximum rating for a protection device to be placed in a BST provided BDFB or power board misc. fuse position is 60 amps. Typical sizes are 10, 15, 30, 45 and 60 amps. Protection devices should be sized at 1.5 times the maximum load. Quantities should be specified in multiples of 2 for 1 "A" and 1 "B" fuse position.

7D. **Framework Ground**

BST will provide an interconnection point (ground bar or ground cable extension) for connecting the collocator provided equipment framework ground to the building principal ground. BST will extend the floor framework ground connection to a common collocation area ground bar or will extend a framework ground cable to the collocation enclosure for grounding all equipment to be grounded through the building integrated ground plane. If a ground bar is placed in the collocation area (adjacent to a collocation enclosure) the collocator will be responsible for extending a single framework ground connection from the enclosure to the BST provided bar.

7. **-48V POWER AND GROUNDING** (continued from page 7.)

7D. **Framework Ground** continued

If BST provides -48V battery and battery return feeds to collocated equipment grounded through a TR-000295 compliant isolated ground plane, the collocator's certified vendor will be responsible for engineering and installing framework grounds from the equipment to the BST provided ground window.

Specific building arrangements should be clarified during the BST-collocator coordination meetings.

8. **ENGINEERING AND INSTALLATION VENDOR(S)**

Complete for Firm Order. Indicate the name, address and telephone number of the BellSouth certified engineering and installation vendor(s) that will be performing the transmission and/or switching equipment engineering and installation at the EIS location. If a single vendor is selected to perform both the engineering and installation functions, specific contact numbers should be furnished for each function. If multiple vendors are selected, please duplicate this table and complete for each vendor selected. BellSouth certified vendors perform work in compliance with BellSouth installation standards as contained in TR-73503. Note: Per TR-73503, the certified installation vendor must provide a MOP (Method of Procedure) prior to installation start.

9. **COLLOCATION INTERCONNECTION REQUIREMENTS**

If covered in the collocation agreement, collocation arrangements may be directly interconnected without using BST cross connect facilities. Indicate if you plan to directly interconnect collocation arrangement(s) in this location. Indicate the type of cable to be used to interconnect collocation arrangements.

Complete the table for each direct interconnection configuration. (See next page.)

9. **COLLOCATION INTERCONNECTION REQUIREMENTS** (continued from page 8.)

Collocation No.	Controlling Collocation		Interconnected Collocation			Type	Quantity of Circuits	Optical Interconnect
	New	Existing	Virtual	Physical	Owner			Preferred Conductor
	Rack no. or "ENC"	Rack Loc. or Enc. Loc.	Rack Location	Rack Loc. or Enc. Loc		DS0, DS1,DS3, Optical	Capacity of cable	Cable (C) or Patch Cord (P)

When separately owned collocation arrangements are to be interconnected, the arrangement of the owner requesting the interconnection shall be the "Controlling Collocation".
When commonly owned collocation arrangements are to be interconnected, the owner should designate one as the "Controlling Collocation". **NOTE:** The "controlling" owner will serve as the BST contact on all issues related to the interconnection and will be billed by BST for any and all applicable charges.

Collocation No. - Number each interconnection configuration beginning with 1 (one). Number consecutively as required. Duplicate table if required.
Controlling Collocation:

- **New:** - If the controlling end of the interconnection is a new non-enclosed arrangement, identify the rack no. from an attached proposed floor plan layout. If the new arrangement will be enclosed indicate "ENC".
- **Existing:** - Identify the rack location (frame identification code as assigned by the collocator's certified engineering vendor) of an existing non-enclosed arrangement or the location (floor) of an enclosed arrangement that will serve as the Controlling end of the interconnection.

Interconnected Collocation:

- **Virtual** - If the interconnected end of the interconnection is a Virtual arrangement, identify the rack location.
- **Physical** - If the interconnected end of the interconnection is a Physical arrangement, identify the location (floor) if the arrangement is enclosed, or the rack location if the arrangement is not enclosed.
- **Owner:** - Identify the owner of the Interconnected Collocation Arrangement.

Type: - Identify the type of interconnection (DS0, DS1, DS3, Optical)
Quantity of Circuits: - Indicate the maximum circuit capacity of the interconnecting cable.
Optical Interconnection - Preferred Conductor:- Specify cable (C) or patchcord (P). BellSouth will evaluate the locations of the interconnecting arrangements and existing cable support structures to determine if the preferred conductor can be accommodated

Abandoned/disconnected interconnection facilities must be removed from BST cable support structure by the collocator's certified vendor. Identify the interconnection arrangement number to be removed.

10. FIBER CABLE INFORMATION

Indicate if you plan to provide and own your private fiber entrance facilities or if you plan to use BellSouth's fiber entrance facilities. **Expanded interconnection** allows for private fiber entrance facilities and equipment owned by third parties to be placed in the location and interconnected to BellSouth's tariffed services via cross-connects. **Service Interconnection** allows equipment owned by third parties to be placed in the location and interconnected to BellSouth tariff services without the use of private fiber entrance facilities.

A. Complete the table below for each fiber entrance cable to be installed or removed. An example is provided.

Check "Fiber entrance cable(s) for initial installation" if this is the initial application for this location. Check "Add fiber entrance cable(s) to existing arrangement" if you have an existing EIS arrangement in this location and you are adding additional fiber entrance cable(s) on this application. For "Add fiber entrance cable", show only the new fiber entrance cable(s) to be added on the table below. Check "Fiber entrance cable(s) not required for this application" if fiber entrance cable(s) are not required. Check "Fiber entrance cable to be removed" if the cable is being abandoned or disconnected.

Cable # - Enter a "1" for the first cable to be placed, a "2" for the second, etc.
Outside diameter - Enter the outside diameter of the cable measured in inches.
Size of fiber cable - Enter the number of fibers contained in the cable.
Weight (lb/kft) - Enter the weight in pounds per kilofeet of the cable.
Metallic/Dielectric - Enter the sheath type for each cable.
Cable Tensile Load - Enter the Cable Tensile Load.

Cable #	Outside diameter (in.)	Size of fiber cable	Weight (lb/kft)	Metallic/Dielectric	Cable Tensile Load (lb/f)
1	0.5	96 pair	330	Metallic	600

Note 1: Outside plant cable must meet the requirements in Bellcore GR-20-CORE or TR-NWT-000020.
Note 2: If multiple entry is requested, please show 2 cables on the fiber entrance cable table. Multiple entry availability will be provided in response to an application.

10. **FIBER CABLE INFORMATION** (continued from page 10.)

B. Complete the table below for each fiber riser cable to be installed or removed. An example is provided.

Check "Fiber riser cable(s) for initial installation" if this is the initial application for this location. Check "Add fiber riser cable(s) to existing arrangement" if you have an existing EIS arrangement in this location and you are adding additional fiber riser cable(s) on this application. (See note 3 below.) For "Add fiber riser cable", show only the new fiber riser cable(s) to be added on the table below. Check "Fiber riser cable not required for this application" if fiber riser cable(s) are not required. Check "Fiber riser cable to be removed" if the riser cable is being abandoned or disconnected.

Cable # - Enter a "1" for the first cable to be placed, a "2" for the second, etc.
Outside diameter - Enter the outside diameter of the cable measured in inches.
Size of fiber cable - Enter the number of fibers contained in the cable.
Weight (lb/kft) - Enter the weight in pounds per kilofeet of the cable.
Sheath Type - Riser cable must be dielectric.
Cable Tensile Load - Enter the Cable Tensile Load.

Cable #	Outside diameter (in.)	Size of fiber cable	Weight (lb/kft)	Sheath Type	Cable Tensile Load (lb/f)
1	0.7	96 pair	400	Dielectric	600

Note 1: Pre-terminated, dielectric, fire retardant riser cable should be provided. Riser cable must meet the requirements in Bellcore GR-409-CORE.
Note 2: If multiple entry is requested, please show 2 cables on the riser cable table. Multiple entry availability will be provided in response to an application.
Note 3: Abandoned/disconnected fiber riser cable must be removed by the collocator's certified vendor at the time the associated equipment is removed.
Note 4: If this application is for a subsequent collocation arrangement in a central office, additional riser cables may be required if the placement of the equipment for the subsequent order is not contiguous with the existing arrangements. BellSouth will notify the collocator on the inquiry response if additional riser cables are required.

C. Additional information - Provide additional information about the cable(s) or cable routing, if applicable. Use this space to notify BellSouth of your request for multiple entry points and/or microwave entrance facilities.